Name of Work: Improvements to Sahakaranagara Parks in Ward No - 07 Byatarayanapura								
Date of Measurement :								
Detailed Measurements								
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
25	Fixing and Installation of a Foot Cycle : Size - 97 X 45 X 133 CM, that has a central pin which connects the 2 heavy flywheels & which has 2 main bearings and in addition has a TEFLON RESISTANCE BEARING which locks the pin and creates resistance to the spin. The central pillar is a monolithic large arc tube without convex sides & minimal deformation which is ergonomically curved with an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners, All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont/Alexta outdoor use color powder electrostatic coating. The seat must consist of PU Polysafe cushions seats. Safe Zone : 247 X 195 CM. Inclusive of All Taxes and Transportation Charges								
	Sahakaranagara Park								
		1				1.00			
	Duo Residency								
		1				1.00			
					Present Qty	**2.00**	**Each**	**244250.00**	**488500.00**

Contractor

Assistant Engineer
19/1/21

Asst. Executive Engineer
19/01/24

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Improvements to Sahakaranagara Parks in Ward No - 07 Byatarayanapura

Date of Measurement :

Detailed Measurements

Item No	Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
26	**Supply & fixing of Big Shoulder Wheel** : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 845								
	Sahakaranagara Park								
		1				1.00			
	Duo Residency								
		1				1.00			
					Present Qty	**2.00**	**Each**	**195400.00**	**390800.00**

K. Lavy
Contractor

Assistant Engineer
19/1/21

19/01/24
Asst. Executive Engineer,
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Improvements to Sahakaranagara Parks in Ward No - 07 Byatarayanapura

Date of Measurement :

Detailed Measurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
27	Supply and fixing of childern Multi Play Equipment with curved silde, tunnel and side panels : Upright structural posts of height 2.2m, 2.4m are to be HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing.The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m,Impending stairs of size 0.80m x 0.60m and 1.05 m x 0.68 m are fabricated from 2mm perforated solid punched steel along with a curved Slide of size 1.7m x 1.8m x 1.2m Coupled with the tunnel are made of super thick plasticwhich shelle be animated and rotationally molded from antistatic, copolymer, virgin((LLDPE) which is UV stabilized with color molded in and minimum thickness of 6 -8mm. Unit consist of Deck of size 1.45 x 1.45m and Staircase of size 1.74 m x 1.32 m along with Triple Slide of size 3.95m x 2.93m x 1.80m with stairs, Plastic Components[super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 -8mm.Roof of size 2.00m x 1.78m, Spiral tube Slide of size 3.2 m x 1.82mx 2.7m along with Monkey loop climber 1.87m x 1.15m x 0.6m which has thickness of 48 mm curved bar supports are all robotic welded fabricated from 32 O.D. GI pipes for the outer pipes and 25mm O.D. Also consisting of Deck of size 1.45 x 1.45m Plastic Components shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and								
	Sahakaranagara Park								
		1				1.00			
					Present Qty	**1.00**	**Each**	**2149400.00**	**2149400.00**

Contractor

Assistant Engineer
19/1/21

19/01/24
Asst. Executive Engineer,

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Improvements to Sahakaranagara Parks in Ward No - 07 Byatarayanapura									
Date of Measurement :									
Detailed Measurements									
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
28	**Supply and fixing of childern Play Equipment Fiero A Swing :** Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Sahakaranagara Park								
		1				1.00			
						Present Qty	**1.00**	**Each**	**146550.00**	**146550.00**

Contractor

Assistant Engineer
19/1/21

19/01/21
Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Improvements to Sahakaranagara Parks in Ward No - 07 Byatarayanapura									
Date of Measurement :									
Detailed Measurements									
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
29	**Supply and fixing of childern Play Equipment Two seater seesaw** : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
	Sahakaranagara Park								
		1				1.00			
					Present Qty	**1.00**	**Each**	**97700.00**	**97700.00**

Contractor

Assistant Engineer
19/1/21

19/01/21
Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Name of Work: Improvements to Sahakaranagara Parks in Ward No - 07 Byatarayanapura									
Date of Measurement :									
Detailed Measurements									
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
30	Supply and fixing of childern Play Equipment Merry go round - DX : The Merry go round consists of a round platform which is made of galvanized steel and has a thickness of 2.5 mm. It is also power coated with the thickness of 2.5 mm. It is of Dia 1210 mm. It has 3 inverted "L" shaped handrails which is made of Galvanized steel and of dimensions as 474 mmx 815 mm. It has thickness of Dia 32 mm. The 3 handrails are separated exactly. All the 3 handrails are connected to the Centre								
	Sahakaranagara Park								
		1				1.00			
					Present Qty	**1.00**	**Each**	**97700.00**	**97700.00**
							Total		**9990928.63**
							GST 12%		**239653.76**
							Grand Total		**10230582.38**

Contractor

Assistant Engineer 19/4/2021

Asst. Executive Engineer 19/04/24

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92